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**Revolutionizing the Banking Sector: The Role and Future of Artificial
Intelligence**

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ABSTRACT:

Artificial Intelligence (AI) is transforming the banking sector by introducing innovative technologies that improve efficiency, enhance customer experiences, and strengthen security measures. This paper examines the development and applications of AI in banking, focusing on essential components like machine learning, deep learning, and data analysis. Key areas of implementation include fraud detection, chatbots for customer service, credit evaluation, and automation of routine processes. The article also highlights the adoption of AI technologies by leading banks in India and envisions future advancements such as hyper-personalized services and blockchain integration, which are poised to redefine the banking landscape.

Keywords: Artificial Intelligence in Financial Services, Fraud Prevention in Banking, Automation in Banking Operations, AI-Driven Customer Support

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